

**REQUEST FOR BIDS****BID NO. R101543**

**CITY OF MOUNTAIN VIEW**  
**Purchasing Division**  
**500 Castro St/PO Box 7540**  
**Mountain View CA 94039-7540**  
**Ph 650-903-6324 Fax 650-968-5472**

**Page 1 of 1**

**Bid Due Date: 5/6/2010**  
**Bid Due Time: 2:00 PM**

**Vendor Name** \_\_\_\_\_  
**Vendor Address** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Item	Qty	Unit	Description	Amount
0001	1	LOT	PARKS PATHWAY RESURFACING, as per attached specifications.	\$ _____
0002	1	LOT	ADD ALTERNATE LOCATIONS, as per attached specifications	\$ _____

**Pre-Bid Conference is scheduled for 1:00 PM, Tuesday,  
April 27, 2010, beginning at the Rengstorff Park Community  
Center, 201 S. Rengstorff Avenue, Mountain View, CA  
94041.**

Payment Terms: Net 30 or better \_\_\_\_\_  
Guaranteed Delivery of \_\_\_\_ business days ARO

GRAND TOTAL	\$ _____
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Signature Accepts City's Attached Terms & Conditions

\_\_\_\_\_  
Signature of Company Officer

E-mail address \_\_\_\_\_

Phone Number \_\_\_\_\_

FAX Number \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Company Officer

**CITY OF MOUNTAIN VIEW**  
**REQUEST FOR BIDS NO. R101543**  
**INSTRUCTIONS FOR SUBMITTING BIDS**

1. **Type of Reply Requested:**

- ☐ Request for Bid, Informal (fax bids are acceptable)  
☒ Request for Bid, Formal, Public Opening (no faxes)

2. **Bids Due:** 2:00 PM, THURSDAY, MAY 6, 2010

3. **Reply To:**

City of Mountain View  
Attention: Chris Hartje, Supervising Buyer  
500 Castro Street  
Mountain View, CA 94041

or

P.O. Box 7540  
Mountain View, CA 94039-7540

Phone: (650) 903-6324 Fax: (650) 968-5472

**Questions:** Call the person named above for questions regarding this bidding process.

4. **Reply Format:** The entire bid form, including all attachments, must be returned by the bid due date to the above address. The envelope returning the bid shall have the bid number and the due date. By signing our bid form, you are agreeing to the City's Terms and Conditions. **(Please note insurance requirements on Pages 5 and 6.)** Once notified of bid award, the Vendor has five days to send the correct certificate of insurance. Lack of a timely response is grounds for rejection of the Vendor's bid.
5. **Prebid Conference:** The prebid conference is mandatory (if required and noted on the bid form) and is for the City's protection, to ensure that vendors know the work required. The Purchasing Agent may waive this requirement if the Vendor is familiar with the work requirements and asks the City for permission to miss the prebid conference.
6. **Deviations from Bid Specifications:** If there are any deviations from the brands and/or specifications, the Vendor MUST note such differences, brand names, model numbers and attach brochures and a complete description of the goods or services bid. The burden of showing the equivalency is on the Vendor.
7. **Bid Award:** The City reserves the right to reject any and all bids, or to waive any errors, discrepancies or irregularities. The bid will be awarded at the discretion of the City Manager (formal bids) or Purchasing Agent (all other bids) on an item-by-item basis, or in any fashion that best meets the needs of the City. All blanks for unit prices must be completed.

## TERMS AND CONDITIONS

1. **Payment Terms:** The City's payment terms are, at a minimum, net thirty (30) days after acceptance of service or delivery of goods. The Vendor's invoice must easily match the unit prices listed in this bid and must include the Vendor's Social Security number or Federal Tax I.D. number. Vendors may offer discounted payment terms and those should be listed on the Vendor's response.
2. **Time of Delivery/Completion:** Time is of the essence on this purchase order. The Vendor shall deliver all of the goods or complete all of the services called for under this proposal within the number of working/calendar days or by the date specified for completion in this proposal, unless the delays are caused by the City or by acts of God. Failure to deliver on time shall be grounds for termination of this Agreement or invoke "Liquidated Damages" if required below.
3. **Freight Charges:** All prices bid shall include all freight costs and ownership transfers to the City at the City's location and are F.O.B. destination to the designated locations. Freight, if quoted separately, shall be prepaid and added to the invoice with ownership transferring to the City when delivery is completed to the City's location.
4. **Liquidated Damages:**  

☐ Required

☒ Not Required

If required, it is agreed by the Vendor that if the goods or services are not delivered complete, as called for in this proposal, damages will be sustained by the City, and that it is and will be impracticable and extremely difficult to ascertain and determine the actual damage which the City will sustain in the event of and by reason of such delay; and it is, therefore, agreed that the Vendor will pay to the City the sum of Three Hundred Fifty Dollars (\$350) per day for each and every calendar day's delay in finishing the work in excess of the number of working or calendar days prescribed or in excess of the date specified for completion or delivery of the goods or services, whichever is applicable in this Proposal; and the Vendor agrees to pay said liquidated damages as herein provided; and in case the same are not paid, agrees that the City may deduct the amount thereof from any moneys due or that may become due the Vendor under this proposal.

Partial payments paid to the Vendor after the scheduled completion dates shall not be constituted as a waiver of the City's right to assess liquidated damages.

5. **Firm Prices:** All quotes will be held firm for a minimum of thirty (30) days after the bid due date listed above to allow adequate time for the City to consider each bid and make an award. All blanks for unit price and total price shall be completed. Any discrepancy between the unit price and the extended or total price shall be determined by taking the lower price. Upon receipt of this bid by the City, the Vendor shall be presumed to be thoroughly familiar with all the aspects of this proposal, including installation sites and all specifications and requirements of this proposal. The failure or omission to examine any

location, equipment, form, instrument or document shall in no way relieve Vendor from any obligation in respect to this bid.

Upon award, pricing shall be held firm through the duration of the agreement.

6. **Warranty:** The delivered or installed goods, equipment or services shall be warranted to be free from defects in material and workmanship. The warranty period shall begin upon acceptance by the City. As a minimum, all goods, equipment and services shall be warranted to operate satisfactorily in accordance with the requirements of these specifications, representations of the Vendor and the published specifications of the manufacturer(s) for a period of at least one (1) year. Any defective goods, equipment or services shall be replaced or repaired quickly at the City's location during the warranty period at no expense to the City. If repairs cannot be made at the City's location, the Vendor shall transport/ship the equipment to a repair facility. All repairs must be completed and the equipment returned to the City within seventy-two (72) hours of a call for service. If the Vendor fails to have the equipment repaired within seventy-two (72) hours, the Vendor shall provide an equal "loaner" piece of equipment until the City's equipment is returned in operating condition.

7. **Prevailing Wages:**

☐ Required                      ☒ Not Required

If required, notice is hereby given that the latest general prevailing rate of per diem wages, as determined by the Director or the Department of Industrial Relations, State of California, is to be paid to the various craftsmen and laborers employed in the construction of this project and is made a part of the specifications and contract for this project.

Reference is hereby made to copies of the general rate of per diem wages as determined by the Director of the Department of Industrial Relations on file in the Department of Public Works, City of Mountain View, which are available to any interested party.

For failure to pay the prevailing wages, the contractor shall forfeit, as a penalty, to the City, Fifty Dollars (\$50) for each workman for each calendar day or portion thereof who is paid less than the stipulated prevailing wage for work done under this contract, in violation of the provisions of the Labor Code, Sections 1770 to 1780, inclusive. In addition to said penalty, the contractor, or subcontractor, shall pay to each worker the difference between the prevailing wage and the amount paid to said worker for each calendar day for which said worker was paid less than the prevailing wage.

8. **MSDS:** General Industrial Safety Order 5195 requires Material Safety Data Sheets (MSDS) be supplied, for all applicable items, with the initial delivery.

9. **Licensed Contractor:** All contractors bidding on work requiring a State of California Contractor's License must state under penalty of perjury that they are a licensed contractor by listing their license number, date of expiration, type of license and description of that type of license. At a minimum, a C12 Earthwork and Paving Contractors License is required.

Contractor's License No.: \_\_\_\_\_

Date of Expiration: \_\_\_\_\_

Type of License: \_\_\_\_\_

Description of License: \_\_\_\_\_

10. **Ownership and Collusion—Financial Interest by City Employees:** The Vendor certifies, by signing this bid, that he/she has not, directly or indirectly, been collusive with any other vendor or anyone else interested in this bid. Additionally, the Vendor stipulates that no City officer or employee shall be financially interested, either directly or indirectly, in any contract, sale, purchase or lease to which the City is a party, and the Vendor stipulates that no City officer or employee has greater than five percent (5%) ownership in this company, as per Section 706 of the City of Mountain View Charter.
11. **Assignment:** This Agreement, nor any part of this Agreement, may be assigned without the written consent of the other party.
12. **Termination:** Any purchase order issued as a result of this bid may be terminated by the City at any time with ten (10) days' written notice. The City will only pay for any goods or services ordered and accepted by the City. Any payments made in advance will be returned to the City on a prorated basis with the City only paying for those goods or services actually provided.
13. **Funding Out Clause:** Any purchase order issued as a result of this bid may be terminated every June 30 based upon the City Council not funding the purchase of goods or services to be provided in this bid after each July 1.
14. **Nondiscrimination:** The Vendor shall afford equal employment opportunities for all persons without discrimination because of race, color, religion, sex, sexual orientation, political affiliation, national origin, ancestry, age, marital status or physical or mental disability.
15. **Applicable Laws and Attorneys' Fees:** This Agreement shall be construed and enforced pursuant to the laws of the State of California. Should any legal action be brought by a party for breach of this Agreement or to enforce any provision herein, the prevailing party of such action shall be entitled to reasonable attorneys' fees, court costs and such other costs as may be fixed by the court. Reasonable attorneys' fees of the City Attorney's Office, if private counsel is not used, shall be based on comparable fees of private attorneys practicing in Santa Clara County.
16. **Subcontractors:** The City prefers a proposal with a single or primary vendor. If you propose a multi-vendor or subcontracted approach, clearly identify the responsibilities of

each party and the assurances of performance you offer. The Vendor is the prime contractor and is solely responsible for all of the Vendor's subcontractors.

17. **Insurance:**

- a. Commercial General Liability/Automobile Liability Insurance: The Vendor shall obtain Commercial General Liability insurance and Automobile Liability insurance in the amount of One Million Dollars (\$1,000,000) per occurrence. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this contract or the general aggregate limit shall be twice the required occurrence limit. The Vendor's insurance coverage shall be written on an occurrence basis.

- b. Professional Liability Insurance:

☐ Required                      ☒ Not Required

If required, the Vendor shall obtain Professional Liability insurance in the amount of One Million Dollars (\$1,000,000) per occurrence. Professional Liability insurance must be maintained and evidence of insurance shall be provided to the City for at least three (3) years after completion of work.

- c. Workers' Compensation Insurance: The Vendor shall obtain statutory Workers' Compensation insurance and Employer's Liability insurance in the amount of One Million Dollars (\$1,000,000) per accident.
- d. Acceptability of Insurers: Insurance is to be placed with insurers with a current *Best Rating* of A:VII unless otherwise acceptable to the City.
- e. Verification of Coverage: Insurance, deductibles or self-insurance retentions shall be subject to the City's approval. Original Certificates of Insurance with endorsements shall be received and approved by the City before work commences, and insurance must be in effect for the duration of the contract. The absence of insurance or a reduction of stated limits shall cause all work on the project to cease. Any delays shall not increase costs to the City or increase the duration of the project.
- f. Other Insurance Provisions:
- (1) The City of Mountain View, its officers, officials, employees and volunteers are to be covered as additional insured by Endorsement CG 20 10 11 85 for Commercial General and Automobile Liability coverage.
  - (2) For any claims related to this project, the Vendor's insurance coverage shall be primary and any insurance or self-insurance maintained by the City, its officers, officials, employees and volunteers shall not contribute to it.

- (3) Each insurance policy required shall be endorsed that a thirty (30) day notice be given to the City in the event of cancellation or modification to the stipulated insurance coverage.
- (4) In the event the Vendor employs subcontractors as part of the work covered by this Agreement, it shall be the responsibility of the Vendor to ensure that all subcontractors comply with the same insurance requirements that are stated in this Agreement.
- (5) Approval of the insurance by City or acceptance of the Certificate of Insurance by City shall not relieve or decrease the extent to which Vendor may be held responsible for payment of damages resulting from Vendor's services or operation pursuant to this Agreement, nor shall it be deemed a waiver of City's rights to insurance coverage hereunder.
- (6) If, for any reason, Vendor fails to maintain insurance coverage that is required pursuant to this contract, the same shall be deemed a material breach of contract. City, at its sole option, may terminate this contract and obtain damages from Vendor resulting from said breach. Alternately, City may purchase such required insurance coverage, and without further notice to Vendor, City may deduct from sums due to Vendor any premium costs advanced by City for such insurance.

18. **Hold Harmless:**

- a. If Professional Liability Insurance **IS** required:

Vendor hereby agrees to and shall indemnify, defend and hold City, its officers, agents and employees harmless from any liability for damage or claims for damage for personal injury, including death and/or property damage, caused by negligent acts, errors or omissions in performance of professional services under this Agreement by Vendor or Vendor's contractors, subcontractors, agents or employees' operations under this Agreement. City shall cooperate reasonably in the defense of any action, and Vendor shall employ competent counsel, reasonably acceptable to the City Attorney.

- b. If Professional Liability Insurance **IS NOT** required:

Vendor shall defend, indemnify and hold City, its officers, employees and agents harmless from any liability for damage or claims of same, including but not limited to personal injury, property damage and death, which may arise from Vendor or Vendor's contractors, subcontractors, agents or employees' operations under this Agreement. City shall cooperate reasonably in the defense of any action, and Vendor shall employ competent counsel, reasonably acceptable to the City Attorney.

19. **Reliance Upon Professional Skill:** It is mutually agreed by the parties that the City is relying upon the professional skill of the Vendor, and the Vendor represents to the City that its work shall conform to generally recognized professional standards in the industry. Acceptance of the Vendor's work by the City does not operate as a release of the Vendor's said representation.
20. **Extending Contract Pricing:** The successful Vendor will extend bid pricing as quoted herein to other political subdivisions (i.e., cities, counties, school districts, etc.).  
☐ Yes ☐ No
- If prices bid herein are offered to other political subdivisions, additional delivery charges, if any, must be negotiated between the political subdivision and the Vendor.
21. **Entire Agreement:** This Agreement contains the entire understanding between the parties with respect to the subject matter herein. There are no representations, agreements or understandings (whether oral or written) between or among the parties relating to the subject matter of this Agreement which are not fully expressed herein. If the attachments or exhibits to this Agreement, if any, are inconsistent with this Agreement, this Agreement shall control.
22. **Signatures:** The undersigned understands and agrees that the conditions set forth in the instructions to vendors, the terms and conditions and the specifications, together with the bid and any other documents submitted in response to the foregoing, shall form a part of and be construed with the purchase order/contract.

**VENDOR:**

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Street Address of Company

\_\_\_\_\_  
Signature of Officer

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Printed Name of Officer

\_\_\_\_\_  
Telephone No./Fax No.

\_\_\_\_\_  
Title of Officer

\_\_\_\_\_  
Federal I.D. Tax Number

AS-9^ (QS Long)  
(Rev. 7/12/05)



## PROPOSER'S REFERENCES

The Proposer is **required** to provide a minimum of 4 references where work of a similar size and nature was performed within the 5 years. This will enable the City of Mountain View to judge the responsibility, experience, skill, and business standing of the Proposer.

### REFERENCES

Client Name: _____	Contact Name: _____
Address: _____	Phone Number: _____
_____	Fax Number: _____
Date of Project (when was work performed)_____	Email address: _____
Describe what product or service was provided:	
_____	
_____	
_____	

Client Name: _____	Contact Name: _____
Address: _____	Phone Number: _____
_____	Fax Number: _____
Date of Project (when was work performed)_____	Email address: _____
Describe what product or service was provided:	
_____	
_____	
_____	

Client Name: _____	Contact Name: _____
Address: _____	Phone Number: _____
_____	Fax Number: _____
Date of Project (when was work performed)_____	Email address: _____
Describe what product or service was provided:	
_____	
_____	
_____	

Client Name: _____	Contact Name: _____
Address: _____	Phone Number: _____
_____	Fax Number: _____
Date of Project (when was work performed)_____	Email address: _____
Describe what product or service was provided:	
_____	
_____	
_____	

**SPRING 2010 PATHWAY PROJECT  
COOPER, CUESTA, EAGLE, McKELVEY, RENGSTORFF,  
STEVENSON AND WHISMAN PARKS  
SPECIFICATIONS**

**1.0 General Project Description**

These specifications are for the repair of existing pathways at Cooper, Cuesta, Eagle, McKelvey Rengstorff, Stevenson and Whisman Parks. Repairs include removal and replacement of existing AC pathways and header board, removal and replacement of existing AC pathways with concrete and crack sealing of AC pathways

The Contractor with the lowest bid will be awarded the project.

**2.0 Responsibilities of Contractor**

1. All bidders must attend a pre-bid meeting specified by the City to ensure the scope of work and to resolve any questions regarding materials, inspection, construction, workmanship, responsibility of the Contractor and responsibility of the City.
2. All measurements listed are approximate. Bidders must fill out the enclosed bidding schedule and submit a unit price for each item listed and payment will be made based upon the lump sum grand total.
3. The Contractor Job Foreman, who must be on site at all times during this construction project, must attend a mandatory pre-construction meeting specified by the City to review work details and to resolve any questions regarding scheduling, specifications, materials, traffic control, inspection, construction, workmanship, responsibility of the Contractor and responsibility of the City.
4. The Contractor shall be responsible at all times for the protection of the area under construction as specified in the City of Mountain View Standard Provisions and the Caltrans Standard Specifications. The Contractor shall keep a minimum number of the following items on site for the duration of the work: 10 construction barricades, 25 cones, "Caution" tape and flagging.
5. Any damage to newly renovated sites shall be the responsibility of the Contractor until the City accepts the project.
6. The Contractor shall be responsible for any liability or claims arising from negligence of his/her employees, agents or subcontractors and must meet City's Comprehensive General Liability and Workers Compensation Insurance requirements.
7. The Contractor shall provide necessary safeguards and emphasize caution against injury to the general public and defacement or damage of their property.
  - a) OSHA requirements
  - b) Submit injury illness prevention plan

8. The Contractor shall provide for all traffic control and signage at each work site. The Contractor shall protect the work area from traffic during all operations and for twenty-four (24) hours after the finished surface has dried completely.
9. The Contractor shall be responsible for any defacement or damage to existing sites (Turf) and shall restore them to their original condition if she/he defaces or damages any site.
10. The Contractor shall make every effort to minimize damage to existing irrigation systems and notify the inspector of any damage. The Contractor will repair excessive damage to the irrigation systems.
11. The Contractor shall ensure that pavement restoration conforms to existing pavement width, grade and texture, unless otherwise noted.
12. The Contractor shall be responsible for any damage to his/her equipment left at the work site.
13. The Contractor shall give the City five (5) working days notice prior to commencement of any construction work.
14. The Contractor shall contact the City Inspector for approval prior to the start of each segment of required work. For example: oil coating, overlay paving, AC paving, etc.
15. The Contractor's work schedule on these jobs shall be Monday through Friday between the hours of 8:00 a.m. and 4:30 p.m., unless otherwise authorized by the City.
16. Upon completion, the Contractor shall remove all containers, surplus materials and debris and leave the site in a clean, orderly condition acceptable to the City. All splatters shall be removed prior to acceptance. Excess materials (base asphalt) shall not be "lost" in the turf or placed along header board edge.
17. All demolition rubble, earth, debris or excess material resulting from the Contractor's operations shall be disposed of off site in a safe and legal manner at the Contractor's expense.
18. The Contractor shall guarantee materials and/or workmanship for a period of one (1) year from acceptance.
19. All work done and all material used shall be subject to inspection and approval by the Shoreline Division Inspector. Inspection of the work done and materials used shall not relieve the Contractor from any of his obligations to fulfill this contract as described. Defective or unsuitable materials shall be removed and made good notwithstanding that such defective work or material has been previously overlooked by the City and estimated or accepted for payment.

### **3.0 Responsibilities of the City**

1. The City shall be responsible for removal or repair of irrigation systems obstructing the project.
2. The City shall be responsible for providing demarcation of areas to be renovated.
3. The City shall provide an Inspector(s) selected by the Community Services Department to manage this project.

4. City restrooms are not available at all parks.

#### **4.0 Commencement of Work**

1. Authorization to begin work will be given by the City at the pre-construction meeting, provided the Contractor has received a purchase order from the City and the Contractor's insurance certificates have been furnished to the City.
2. All construction work specified on this contract must be completed within Fifteen (15) City workdays from date of purchase order or approved date from the City Inspector.
3. All construction work shall be performed on City workdays only. (Weekends and City holidays are not permissible.)
4. The City reserves the right to delete portions of work to be performed in the contract based on available project funding.
5. Working hours for the City Inspector is 8:00 a.m. to 4:30 p.m., unless otherwise authorized by the City Monday through Friday. The cost of overtime for City inspection will be charged to the Contractor if the Contractor works before 8:00 AM. or after 4:30 PM., or on Saturday, Sunday or holidays. The Contractor shall not work on the site outside the normal working hours unless prior written approval is obtained from the Inspector.
6. The Contractor shall diligently pursue the work to completion within 30 working days. This time frame may be adjusted depending on climatic conditions at the sole discretion of the City. All questions relating to this work should be directed to Jack Smith, Project Section Manager.

#### **5.0 Removal of Existing AC**

1. The Contractor will be responsible for confirming the thickness of the asphalt to be removed and taking that information into consideration when bidding the project in regards to the thickness of the replacement material. The Contractor shall, at Contractor's own expense, dispose of debris from operation off-site in a legal manner.

#### **6.0 Root Removal**

1. The Contractor shall be responsible for cutting and removing all roots that have caused an upheaval in the pathway surface. Removal shall be in such a manner that the root is cut out cleanly (minimum of 4") from the pathway. In cases where the root or its removal has caused sub-base disturbance, these areas are to be cleaned and sufficiently backfilled with aggregate sub-base and compacted to a density of not less than 95 percent (95%).

#### **7.0 Header Boards**

1. Header boards shall be installed at all locations marked on the map. Header boards shall be 2"x 6" Trex header boards. (Color brown to be approved by Inspector.) Exterior grade 2 ½ inch (2 ½") deck screws must be used.

2. Stakes shall be of Trex material, neatly pointed, driven vertically (1" below header top), located at butt joints and elsewhere, spaced a maximum of 5' on center and securely screwed to the header boards. Stakes shall be placed inside and outside the header board where appropriate. Header boards shall be installed on undisturbed earth, compacted soil or base rock. A stake shall bridge lengthwise to each header board.
3. When header boards are installed along unprotected edges of pavement, the top edges of the header boards shall conform to the line and grade of existing pavement. Header boards shall be 2"x 6' unless otherwise noted and shall be held in place with 2" x 2" stakes of lengths necessary to extend 14" into solid ground. Trex stakes might need to be custom made.
4. Header boards are to be installed prior to AC placement. Care is to be taken not to cover header boards with new asphalt or sealer.
5. Where the use of bender boards are necessary to conform to a radius, they shall be joined in a manner as to stagger the joining pieces to prevent separation (18" min. staggering distance). A trex stake shall be attached lengthwise to each header board.

## **8.0 Pathway Construction and New Asphalt Replacement**

1. Pathways shall conform to existing pathway widths (constructed of Class 2 R value 78 min.), 4" thick aggregate base (with a relative compaction of not less than 95 percent as determined by Test Method ASTM D5770-78) and 3" of 1/2" fine mix asphalt concrete applied under the Standard Provisions of the City of Mountain View.

Standard Provisions are available at the following link:

[http://www.mountainview.gov/city\\_hall/public\\_works/standard\\_provisions.asp](http://www.mountainview.gov/city_hall/public_works/standard_provisions.asp)

2. Pathways shall be so constructed that the surface level is the same height as surrounding pathway grades, with a center crown not less than 1/2" for a slope of 1 percent across the path to provide adequate drainage.

## **9.0 PCC CONCRETE SPECIFICATIONS**

### **Concrete Replacement**

1. Scope

In general, the work of this bid alternate item involves the placement of concrete pathways/curbs located at Stevenson and Cooper Parks.

2. Materials

Concrete shall be "Portland Cement Concrete" of the City of Mountain View Standard Specifications. Curbs and pathways shall be type "B" 5 sack, 2500-PSI minimum with a combined aggregate grading of 1 1/2" Max. Concrete thickness (6inches) shall conform to existing pathway. **Concrete shall be colored San Diego Buff.** Sample color to be approved by Project Manager.

3. Dowels/Installation

Steel dowels shall conform to ASTM Designation A615. When existing pathways are to be removed and replaced, the new concrete is to be tied to the remaining pathway section with dowels. The dowels shall be No. 4's with a minimum length of nine inches (9") and shall be installed at eighteen inches (18") on center along the back on the remaining walk. The dowels are to be inserted to a minimum penetration of four inches (4") into the remaining walk and shall fit tightly into the existing concrete.

4. Bar Reinforcement

Bar reinforcement shall be #4 18 inches (18") on center no closer than 3 inches (3") from the edge and no farther than 6 inches (6"). One and one-half inch (1 1/2") dobs need to be put under the bar.

5. Existing Construction

Where the plans provide for the reconstruction of a portion of an existing pathway, the existing section shall be cut to a minimum of one and one-half inches (1 1/2 ") with an abrasive-type saw at the first scoring line at or beyond the planned joint and the entire section to be reconstructed shall be removed. The new work shall adjoin the old work at this line. If the old work is damaged beyond this line in removing the old concrete, a new line will be cut at the next score line beyond the line of damage and the damaged concrete shall be removed and replaced at no additional cost. Where new concrete work conforms to existing concrete work, steel dowels consisting of No. 4 reinforcement bars shall be placed in accordance with dowel installation specifications.

6. Forms

Forms shall be true and shall have a smooth, straight upper edge. Metal forms may be used upon approval by the Inspector.

Timber forms shall be surfaced on the side placed next to the concrete and shall not be less than one and one-half inches (1 1/2") thick after being surfaced except on curves where laminated timber forms, benders or thin plank forms may be used.

Front face forms shall not be removed in less than two (2) hours after the forms have been placed. In no event shall forms be removed while the concrete is sufficiently plastic to slump. Side forms for walkways shall not be removed in less than thirty-six (36) hours after the concrete has been placed.

7. Subgrade Preparation

The subgrade shall be constructed true to grade and cross-sectioned as shown on the plans. The required thickness of aggregate subbase shall be placed in accordance with the standard details and compacted to ninety percent (90%) relative compaction under the walkway as tested in conformance with Test Method No. California 216.

8. Placing Concrete

No concrete shall be placed until the forms have been checked by the Inspector. No concrete shall be placed when the air temperature is below forty degrees Fahrenheit (40° F) or during rain. During weather when frosts may be expected, the Contractor shall carefully cover recently deposited

concrete with burlap, straw or provide for other approved curing method. No concrete shall be placed within three (3) hours of sunset. Before placing concrete, the aggregate base or subbase shall be properly moistened with water and the form faces shall be oiled.

Concrete shall be placed and compacted in forms without segregation. After placing, the concrete shall be consolidated sufficiently to produce a dense mass, struck off and floated. Final finishing operations shall not proceed until all bleed water has evaporated from the surface. Sprinkling of dry concrete to absorb excessive surface moisture shall not be allowed.

Concrete thickness shall conform to existing pathway.

The fresh concrete shall be struck off and compacted until a layer of mortar has been brought to the surface. The surface shall be finished to grade and cross section with a wood or aluminum float, trowel to a dense, hard, smooth finish with a steel trowel and finished with a fine wet and medium brush with brush strokes transverse to the line of traffic.

The finished surface shall not vary more than 0.01 foot (0.01') from a ten foot (10') straight edge, except at-grade changes and the finished surface shall be free from blemishes.

#### 9. Expansion Joints, Control Joints and Score Marks

Expansion joints shall be placed in the concrete walkways at not more than fifty foot (50') intervals and at each side of driveways and at all returns. Expansion joints shall be placed at right angles to curbs or walkway line and extend through the entire thickness of the concrete. Where walkway is constructed against concrete curbs, the joints shall be in line with the joints through the curb. Concrete adjacent to expansion joints shall be finished with an edger tool.

Expansion joints shall be placed around utility poles, drop inlets and hydrants so that no concrete is in contact with the accessory.

Where electroliers are located back of walkway, expansion joint material shall be placed at the back of the walkway between the walkway and the electrolier. Bases for the electroliers within the walkway shall be completely separated from the walkway by felt roofing material.

Control joints, scored at least one-fifth ( $1/5$ ) the depth of concrete being placed, shall be constructed at intervals not to exceed ten feet (10') in concrete walkways. The width of the control joints shall not exceed one-fourth inch ( $1/4"$ ) and the control joints shall be finished with a "T" bar. All joints shall be scored at right angles to the walkway line.

Maximum delay between successive pours shall not exceed the time of initial set unless a construction joint is installed.

#### Curing

As soon as the concrete is set, it shall be cured for a period of at least seventy-two (72) hours by applying a suitable cover that will keep all exposed surfaces continually damp or by spraying with an approved impervious membrane curing compound.

The Contractor shall protect all new concrete from damage, including vandalism and graffiti marks.

The Contractor shall keep all equipment off new or existing walkways. Repairs shall be made by removing and replacing the entire unit between score lines or joints. All discolored concrete shall be cleaned to a uniform color. Repairs and cleaning of new concrete shall be at the expense of the Contractor.

## **10.0 CRACK SEALING**

1. Cracks in the existing asphalt concrete be prepared and filled with crack sealant in accordance with these special provisions.
2. Cleaning of cracks by air blasting and removal of old sealant which protrudes above the asphalt concrete surfacing.
3. Ensure that pavement surface is dry, free of dust and debris, and free of loose pavement aggregate before crack sealing. Cracks to be filled and adjacent asphalt concrete surfacing shall be cleaned and shall be free of dirt, vegetation, debris and loose sealant. Cleaning shall be done by air blasting. Old sealant which protrudes above the asphalt concrete surfacing shall be completely removed.
4. "Crack Sealing" will not be measured separately. The contract LUMP SUM price paid for Crack Sealing shall constitute full compensation for furnishing all labor, materials, and equipment and for doing all the work involved in crack sealing, as set forth in the contract documents and as directed by the City's Project Manager.
5. The crack filler shall be a mixture of paving asphalt and ground rubber or ground rubber and polymer which conforms to the following requirements:

<b>Test</b>	<b>Test Method</b>	<b>Specification</b>
Softening Point	ASTM D-36	180°F minimum
Cone Penetration	ASTM D-3407	30 minimum
@ 77°F		90 maximum
Resilience	ASTM D- 3407	40% minimum
@ 77°F		
Flow @ 140°F	ASTM D-3407	3 mm maximum

The gradation of the ground material shall be such that 100% will pass the #8 sieve. The modified asphalt material shall be furnished and premixed in containers with an inside liner of polyethylene. Packaged material shall not exceed 60 lbs. in weight. Storage and heating instructions and cautions shall be supplied by the vendor with each shipment.

The materials shall be capable of being melted and applied to cracks and joints at temperatures below 400°F. When heated, it shall readily penetrate cracks 1/4-inch wide or larger.

6. Crack sealing shall be performed on the entire pathway section.
7. Crack sealing work shall include routing, cleaning, and sealing pavement cracks 1/4" and greater in width.



8. Crack sealing shall not proceed until all other preparation work is completed and approval to proceed is granted by the City. Such other preparation work shall include, but not be limited to, cleaning of cracks, and application of herbicides.
9. Crack sealing work shall be completed as specified herein prior to application of finish surface treatments, which treatments may include, but not be limited to, rubberized hot mix asphalt or hot mix asphalt concrete overlay.
10. Cracks wider than 1/4" shall be routed to create a uniform width, and blown clean of loose materials with a high-pressure air nozzle, (90 psi or greater) to the satisfaction of the City. Loose materials include vegetation, dust, dirt, moisture, old sealant, and foreign material.
11. Equipment used by the contractor shall be specifically built for this purpose and shall be of current manufacture (Crafco Model BC-220 or an approved equivalent).
12. The asphalt-rubber shall be heated to a minimum temperature of 325°F, but not greater than 390°F, or as specified by the manufacturer and as approved by the City. The material shall be held in the mixing tank at application temperature until very little separation of the rubber and asphalt occurs when a bead of sealant material is placed on the pavement. Sealant material may be added to the mix as long as the minimum temperature of 325°F is maintained.
13. Cracks shall be sealed from the bottom up. Sealant material shall be applied so it is flush with the pavement surface. Sealant material must not be higher than the adjacent surface. Any excess sealant material covering the adjacent asphalt concrete pavement shall be removed.
14. Traffic shall not be allowed on the material until it has cured or until it has been sanded to prevent tracking and damage to vehicles. Pavement shall not be placed for at least 30 days after crack sealing.
15. All cracks shall be squeegeed when necessary after application of the crack sealant material to ensure that crack sealant material is confined within the cracks.
16. Within 2 days after application of sealant, sealed cracks that reopen shall be resealed.

**CITY OF MOUNTAIN VIEW**  
(Please use this form when submitting your bid)

VENDOR: \_\_\_\_\_

<b>APPROX QTY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXT. PRICE</b>
<b>LOT</b>	<b>1</b>	<b>Park Pathways</b>		
		<b>Cuesta Park</b>		
11,227	SQ.FT .	NEW SUB-BASE AS NEEDED AND NEW A/C as per attached specification. Areas A 484sq ft, B 2,970sq ft, C 6,175sq ft D 540sq ft E 464sq ft and F 594 sq ft		
11,227	SQ.FT .	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. 2,970sq ft, C 6,175sq ft D 540sq ft E 464sq ft and F 594 sq ft		
2,492	L.N.F.	REPLACE HEADER BOARD, as per attached specifications. Areas A 88 ln ft, B 474 ln ft, C 872 ln ft, E 464 and F 594 ln ft.		
		Total Cost of Cuesta Project		
		<b>Rengstorff Park</b>		
3,352	SQ.FT .	NEW SUB-BASE AS NEEDED AND NEW A/C, as per attached specification. Areas A 88sq ft, B 108sq ft, C 1,789sq ft, D 25sq ft, E 40sq ft, F 16sq ft, G 552sq ft, H 570sq ft and I 64 sq ft		
3,352	SQ.FT .	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. Areas A 88sq ft, B 108sq ft, C 1,789sq ft, D 25sq ft, E 40sq ft, F 16sq ft, G 552sq ft, H 570sq ft and I 64 sq ft		
445	L.N.F.	REPLACE HEADER BOARD, as per attached specifications. Areas A 11ln ft, B 10ln ft, C 176ln ft, G 118ln ft, H 114ln ft and I 16 ln ft		
		Total Cost of Rengstorff Project		
		<b>Stevenson Park</b>		
2,383	SQ.FT .	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. Area B 392sq ft Area C 712 sq ft Area D 1,279 sq ft		
1,279	SQ.FT .	PCC CONCRETE PATHWAY, as per attached specifications. Area D 1,279sq ft		
1,104	SQ.FT	NEW SUB-BASE AS NEEDED AND NEW A/C, as per attached specification. Area B 392sq ft Area C 712 sq ft		

<b>APPROX QTY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXT. PRICE</b>
2.142	SQ.FT	Crack Fill, as per attached specifications. Area A 2,142sq ft with cracks to be filled.		
		<b>Total Cost of Stevenson Park</b>		
		<b>McKelvey Park</b>		
380	SQ.FT	NEW SUB-BASE AS NEEDED AND NEW A/C, as per attached specification. Area A 180sq ft Area B 200sq ft		
380	SQ.FT	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. Area A 180sq ft Area B 200sq ft		
44	L.N.F.	REPLACE HEADER BOARD, as per attached specifications. Areas A 24 ln ft and Area B 20ln ft		
		<b>Total Cost of McKelvey Project</b>		
		<b>Total Cost of Pathway Project</b>		
Lot	2	<b>Add Alternates Locations</b>		
		<b>Whisman Park</b>		
572	SQ.FT	NEW SUB-BASE AS NEEDED AND NEW A/C, as per attached specification. Area A 54 sq ft Area B 390sq ft Area C 64sq ft Area D 64sq ft		
572	SQ.FT	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. Area A 54 sq ft Area B 390sq ft Area C 64sq ft Area D 64sq ft		
40	L.N.F.	REPLACE HEADER BOARD, as per attached specifications. Areas B 24 ln ft and Area C 16ln ft		
		<b>Total Cost of Whisman Project</b>		
		<b>Cooper Park</b>		
105	SQ.FT	NEW SUB-BASE AS NEEDED AND NEW A/C, as per attached specification. Area B 105sq ft		
2,142	SQ.FT	REMOVAL OF EXISTING A/C AND ROOTS, as per attached specification. Area A 2,142		
105	SQ.FT	REMOVAL OF SOIL AND ROOTS, as per attached specification. Area B expansion 105sq ft		
2,142	SQ.FT	PCC CONCRETE PATHWAY, as per attached specifications. Area A 2,142		
70	L.N.F.	REPLACE HEADER BOARD, as per attached specifications. Area B 70 ln ft,		
		<b>Total Cost of Cooper Project</b>		

<b>APPROX QTY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXT. PRICE</b>
		<b>Eagle Park</b>		
1,359	SQ.FT	REMOVAL OF SOIL AND ROOTS, as per attached specification.		
1,359	SQ.FT	PCC CONCRETE PATHWAY, as per attached specifications. 1,359sq ft		
		<b>Total Cost of Eagle Park</b>		
		<b>Total Cost of Add Alternate Locations</b>		

Maps and photos will be passed out at pre-bid meeting